



HBE/PU SYSTEMS

DESCRIPTION

High Build Epoxy/Polyurethane (HBE/PU) Systems are two-component, two-coat wet paint systems that form hard and tough coating films with excellent abrasion and impact resistance, good adhesion properties, and excellent UV resistance, gloss and colour retention. These systems utilized coating materials that are approved by Saudi Aramco APCS and can be used as per DIN 55928 Part 5 (Corrosion Protection of Steel Structures by Application of Organic or Metallic Coatings – Coating Materials and Protective Systems).

APPLICATIONS

HBE/PU Systems are designed for such applications that require aggressive atmospheric exposure. Each system requires one-coat of high build epoxy primer and one-coat of polyurethane topcoat to meet required dry film thickness and performance. Proper drying should be observed between coats and allow minimum seven days for the coating to fully cure.

In order to ensure good adhesion, it is crucial that HBE/PU be applied only over properly prepared substrates. S3C can advise the best form of surface preparation for your particular application. HBE/PU can be applied to aluminium, steel and galvanised substrates.

PRODUCT SPECIFICATIONS

<i>Generic Type</i>	<i>High Build Epoxy/Polyurethane</i>
<i>Finish</i>	<i>High Gloss</i>
<i>Dry Film Thickness</i>	<i>minimum 125 microns</i>
<i>Pencil Hardness</i>	<i>H – 3H</i>
<i>Adhesion</i>	<i>100%</i>
<i>Flexibility</i>	<i>Good</i>
<i>Gloss & Colour Retention</i>	<i>Excellent</i>

<i>UV Resistance</i>	<i>Excellent</i>
<i>Water Resistance</i>	<i>Very Good</i>
<i>Solvent Resistance</i>	<i>Very Good</i>
<i>Abrasion Resistance</i>	<i>Very Good</i>

Application

<i>Method</i>	<i>Airless Spray</i>
<i>Mixing Ratio:</i>	<i>4:1 Base & Curing Agent</i>
<i>Potlife (23°C):</i>	<i>4 hours (Reduced at Higher Temp.)</i>

OTHER PRODUCTS

S3C can also apply a vast range of other coating materials including, polyethylene, nylon, PVC, PTFE (fluorocarbons), EVA as well as arrange of acrylic, PVDF architectural finishes and Super Durable Industrial Polyesters.

For more information, please visit our website at <http://www.s3c.net> or e-mail us at sales@s3c.net. You can write or contact us too at:



Saudi Conduit Coating Company, P.O. Box 3298, Al Khobar 31952, Kingdom of Saudi Arabia
Tel: 966 (03) 847 3288 (6 lines) Fax: 966 (03) 847 2316

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